



SPRINKLER HEAD LEGEND

SYMBOL	DESCRIPTION	RAD	GPM	PSI	PATTERN
	6" HIGH POP-UP SPRINKLER	15'	1.0	30	90°
	6" HIGH POP-UP SPRINKLER	15'	1.4	30	120°
	6" HIGH POP-UP SPRINKLER	15'	2.0	30	180°
	6" HIGH POP-UP SPRINKLER	15'	2.6	30	240°
	6" HIGH POP-UP SPRINKLER	15'	3.0	30	270°
	6" HIGH POP-UP SPRINKLER	15'	4.0	30	360°
	6" HIGH POP-UP SPRINKLER	12'	0.8	20	90°
	6" HIGH POP-UP SPRINKLER	12'	1.2	20	120°
	6" HIGH POP-UP SPRINKLER	12'	1.7	20	180°
	6" HIGH POP-UP SPRINKLER	12'	2.2	20	240°
	6" HIGH POP-UP SPRINKLER	12'	2.5	20	270°
	6" HIGH POP-UP SPRINKLER	12'	3.4	20	360°
	6" HIGH POP-UP SPRINKLER 9'X18'	1.2	30		
	SIX OUTLET EMITTER SET FOR 30 PSI				
	MASTER CONTROL VALVE, SIZE 2"				
	DRIP CONTROL VALVE WITH PRESSURE REGULATOR AND STRAINER				
	CONTROL VALVE				
	QUICK COUPLER VALVE				
	CASING PIPE				
	GATE VALVE				
	CLASS 200 PVC, SIZE AS NOTED				
	CLASS 200 PVC MAINLINE, SIZE AS NOTED				
	CONTROL WIRING SLEEVE 2" PVC SCH. 40				
	INDICATES AUTOMATIC CONTROL VALVE NUMBER				
	INDICATES PRESSURE SETTING AT VALVE				
	INDICATES G.P.M. FLOW				
	INDICATES VALVE SIZE				
	2" BACKFLOW PREVENTER, IN BUILDING				
	PVC, CLASS 200, PVC 1120-1220				
	VALVES TORO SERIES 252 PLASTIC ELECTRIC				
	GLOBE 1", PRESSURE REG. 1 1/2"				
	GROUNDCOVER LIMITS				
	MOISTURE SENSOR VALVE, CONNECT TO IRRIGATION CONTROLLER FOR VALVES 1 THRU 8				
	INSIDE MOUNTED IRRIGATION CONTROLLER, 12 STATION				
	FLUSH END FOR DRIP LINE				

- IRRIGATION SYSTEM NOTES:
1. ALL GROUNDCOVER AREAS SHALL BE IRRIGATED AT A PRECIPITATION RATE OF NOT LESS THAN 2 INCHES PER WEEK FOR A MAXIMUM OF 14 HOURS PER WEEK, DURING MAINLY THE NIGHT TIME HOURS.
 2. SEE THE SPECIFICATIONS FOR THE GALLONAGE AND PRESSURES THAT THE SYSTEM SHALL BE DESIGNED FOR.
 3. THE CONTROLLER AND REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE SHALL BE LOCATED IN THE MECHANICAL ROOM. SEE MECH. AND ELECT. PLANS.
 4. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF NEW AND EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO UTILITIES AND PLANTINGS. ANY DAMAGE TO THE UTILITIES OR PLANTINGS SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE GOVERNMENT.
 5. INSTALL SEPARATE PIPE CASING UNDER SIDEWALKS OR PAVEMENTS. FOR IRRIGATION LINES AND CONTROL WIRE LINES.
 6. SEE IRRIGATION SYSTEM DETAIL SHEET FOR INSTALLATION OF HEADS, VALVES, BACKFLOW PREVENTOR ETC.
 7. SEE PLAN FOR LOCATION OF 3 QUICK COUPLER VALVE LOCATIONS.
 8. INSTALL A MASTER CONTROL VALVE, BRASS SOLENOID TYPE, IMMEDIATELY OUTSIDE THE MECHANICAL ROOM.
 9. SEE SPECIFICATION FOR SLEEVE SIZE.
 10. CONTRACTOR SHALL INSTALL ONE EXTRA CONTROL WIRE TO EACH GROUP OF VALVES FOR FUTURE USE.
 11. DESIGNER USED TORO HEADS, VALVES ETC. IN DESIGNING THIS SYSTEM. CONTRACTOR MAY USE OTHER MANUFACTURERS (RAINBIRD, HUNTER, BUCKNER) IF DESIRED. NO SPECIFIC PRODUCT PREFERENCE IS INFERRED.

\$\$\$ - THINK VALUE ENGINEERING - \$\$\$

Revisions			
Symbol	Descriptions	Date	Approved

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
OMAHA, NEBRASKA

Designed by:	SITE NAME	SITE LOCATION	
Drawn by:	OMAHA DISTRICT DESIGN GUIDE		
Checked by:	IRRIGATION PLAN		
Reviewed by:	Plot Scale Ratio:	Date:	Sheet reference number:
Submitted by:	Design File:	X	
Chief:	Spec. No.: DACA 45	Drawing Code: X	L3.01
Section	Contract No.: DACA 45		